




















































INDEX OF ELECTRICAL DRAWINGS




























E000 SYMBOL SCHEDULE & SHEET INDEX			E401 SYSTEMS PLAN – AREA A		
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E002	FIXTURE SCHEDULE		E501	FIRE PROTECTION AND LIFE SAFETY PLAN	
E003	EQUIPMENT SCHEDULE		E601	ONE-LINE DIAGRAM	
E101	ELECTRICAL SITE PLAN		E602	PANELBOARD SCHEDULES	
E102	ENLARGED PLAZA		E603	PANELBOARD SCHEDULES	
E103	PILLAR ELEVATION, SECTIONS AND DETAILS		E604	PANELBOARD SCHEDULES & RELAY PANEL	
E201	LIGHTING PLAN – AREA A		E701	ELECTRICAL DETAILS	
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E301	POWER PLAN – AREA A		E703	ELECTRICAL DETAILS	
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			E705	ELECTRICAL DETAILS	

GENERAL NOTES

- CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
- VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH-IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
- CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC.) OF EQUIPMENT FURNISHED UNDER DIVISION 15 WITH APPROVED MECHANICAL SHOP DRAWINGS BEFORE BEGINNING ROUGH-IN.
- SEE SECTION 16510 OF THE SPECIFICATION REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
- SEE APPLICABLE SHOP DRAWINGS FOR ROUGH-IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACKSPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
- SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
- FINISHES OF ALL LIGHT FIXTURES SHALL BE SELECTED BY ARCHITECT.
- THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
- ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
- ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.

ELECTRICAL SYMBOL SCHEDULE

1. SEE FUTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.			2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.		
1	SEE FUTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.		2	HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.	
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3	HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.		4	SUBSCRIPT KEY'S SWITCH TO FIXTURES CONTROLLED.	
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5	NEMA TYPE "N" NON-FUSED UNLESS NOTED "F" (FUSED). USE "HD" 480 V.		6	HEIGHT TO BE THE LOWER OF EITHER BOX A.F.F. OR 8' BELOW CEILING.	
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8	DOUBLE ARROWS DENOTE A DOUBLE FACE UNIT.		9	COORDINATE WITH SHOP DRAWINGS.	
9	COORDINATE WITH SHOP DRAWINGS.		10	SUBSCRIPT DENOTES NEMA CONFIGURATION.	
10	SUBSCRIPT DENOTES NEMA CONFIGURATION.		11	HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISHED FLOOR.	
11	HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISHED FLOOR.		12	HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISHED FLOOR.	
12	HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISHED FLOOR.		13	INDICATES DUAL TECHNOLOGY OCCUPANCY AND DAYLIGHT SENSOR.	
STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS.					
SYMBOL	DESCRIPTION		MOUNTING HEIGHT	NOTES	
	LIGHT FIXTURE (LETTER DESIGNATES TYPE)			SEE SPEC	
	EQUIPMENT NUMBER		AS NOTED		
	JUNCTION BOX (7" IN FLOOR)		TO SUIT EQUIP.		
	MOTOR OUTLET		AS NOTED	TORQ 2000A	
	PHOTO-ELECTRIC CONTROL		IN FLOOR	SEE SPECS	
	JUNCTION BOX FOR DATA AT EXHIBITS		AS NOTED		
	TIME CLOCK		+5'-0"	2.	
	PUSHBUTTON		+4'-0"	2.	
	NON-FUSED DISCONNECT SWITCH		+5'-0"	5.	
	FUSED DISCONNECT SWITCH		+5'-0"	5.	
	MANUAL SWITCHER THERMAL OVERLOAD SWITCH WITH GREEN PLAT LIGHT		+4'-0"	2.	
	MAGNETIC STARTER		+5'-0"	7.	
	VARIABLE FREQUENCY DRIVE		+6'-6"		
	MAGNETIC STARTER / DISCONNECT COMBINATION		+5'-0"		
	PANEL BOARD – SURFACE		TOP AT		
	PANEL BOARD – RECESSED		TOP AT		
	FIRE ALARM PANEL		TOP AT		
	MAIN DISTRIBUTION PANEL		TOP AT		
	TELEPHONE TERMINAL BOARD				
	CLOCK OUTLET		+7'-6"	8.	
	CLOCK/SPEAKER COMBINATION		+7'-6"		
	BELL		+7'-6"		
	CHIME		+7'-6"		
	FIRE ALARM MANUAL PULL STATION		+4'-0"	2.	
	FIRE ALARM SIGNAL HORN/STROBE PROJECTORS		+6'-8"	6.	
	FIRE ALARM SIGNAL HORN/STROBE		+6'-8"	6.	
	FIRE ALARM SIGNAL SPEAKER/STROBE		+6'-8"	6.	
	SMOKE DETECTOR				
	DUCT SMOKE DETECTOR		MTD. IN DUCT		
	HEAT DETECTOR				
	FIRE/SMOKE DAMPER				
	DOOR HOLDER		AS NOTED		
	FLOW SWITCH				
	TAMPER SWITCH				
	WATER FLOOD INDICATOR				
	O.S. & Y. VALVE		SEE DETAIL		
	FIRE ALARM RELAY				
	FIRE ALARM CONTROL MODULE				
	FIRE ALARM MONITOR MODULE				
	FIRE ALARM RELAY		+6'-8"	6.	
	FIRE ALARM STROBE		+6'-8"	6.	
	FIRE ALARM BEAM TRANSMITTER		AS NOTED		
	DIURESS PUSHBUTTON		+4'-0"		
	SECURITY SYSTEM DOOR SWITCH		DOOR JAMB		
	MAGNETIC SHEAR LOCK				
	SECURITY SYSTEM KEYPED ACCESS SWITCH		+4'-0"	2.	
	INFRARED SENSOR		AS NOTED		
	SECURITY MOTION DETECTOR		MOUNT AS PER MAN		
	GLASS BREAK DETECTOR		CEILING		
	ELECTRIC DOOR STRIKE		AS NOTED		
	COVY CAMERA I-J-BOX (O.C. = OUTSIDE CAMERA)				
	DOOR POSITION INDICATING SWITCH				
	KEY PAD – SECURITY		+4'-0"	2.	
	SOUND SYSTEM SPEAKER		18'-0" OR 18' NOTED		
	WALL MOUNTED SOUND SYSTEM SPEAKER		AS NOTED		
	VOLUME CONTROL		+4'-0"	2.	
	MICROPHONE OUTLET		+16"	11.	
	MICROPHONE FLOOR OUTLET		FLOOR		
	SOUND EQUIPMENT CABINET		CIRCUIT TO 120V		
	CALL SWITCH		+4'-0"	2.	
	ARCHITECTURAL ROOM NUMBER				
	REMOTE GENERATOR ANNUNCIATOR				

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STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS.					
SYMBOL	DESCRIPTION		MOUNTING HEIGHT	NOTES	
	ONE CIRCUIT, TWO WIRE HOME RUN TO PANEL				
	2 CIRCUIT, 3 WIRE, COMMON NEUTRAL, HOME RUN				
	3 CIRCUIT, 4 WIRE, COMMON NEUTRAL, HOME RUN				
	CONDUIT RUN CONCEALED IN WALL OR CEILING				
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND				
	CONDUIT UP				
	CONDUIT DOWN				
	CONDUIT STUB LOCATION		CONDUIT		
	CABLE TRAY		AS NOTED		
	CEILING LIGHT FIXTURE		CEILING	1.	
	WALL LIGHT FIXTURE		AS NOTED	1.	
	RECESSED DOWNLIGHT FIXTURE		CEILING	1.13.	
	RECESSED WALL WASH DOWN LIGHT		CEILING	1.13.	
	WALL MOUNTED FIXTURE		AS NOTED	1	
	FLUORESCENT LIGHT FIXTURE		AS NOTED	1.13.	
	FLUORESCENT RECESS LIGHT FIXTURE W/BATTERY PACK		CONDUIT	SEE DETAIL	
	AREA LIGHT POLE AND FIXTURE		AS NOTED		
	FLOOR OR TRACK FIXTURE		CEILING	1.3.8.	
	CEILING MOUNTED EXIT LIGHT		AS NOTED	1.3.8.	
	SINGLE POLE SWITCH		+4'-0"	2.	
	THREE-WAY SWITCH		+4'-0"	4. 2.	
	FOUR-WAY SWITCH		+4'-0"	2.	
	KEY OPERATED SWITCH		+4'-0"	2. 1.22 (5)/185/1209	
	SWITCH WITH PILOT LIGHT		+4'-0"	2.	
	VARIABLE INTENSITY SWITCH		+4'-0"	2.	
	TIMER SWITCH		+4'-0"	2.	
	LOW VOLTAGE SWITCH		+4'-0"	2.	
	DUAL TECHNOLOGY OCCUPANCY SENSOR		CEILING	12.	
	DUAL TECHNOLOGY OCCUPANCY SENSOR (WALL, MTD)		+4'-0"	2. 12.	
	POWER PACK FOR OCCUPANCY SENSORS		CEILING	SEE DETAIL, SPEC	
	AUTOMATIC RELAY PACK		CEILING	SEE DETAIL, SPEC	
	DAY LIGHT SENSOR		AS NOTED	SEE SPEC	
	DUPLEX RECEPTACLE		+16"	11.	
	DUPLEX RECEPTACLE		+16"	11.	
	DUPLEX RECEPTACLE			9.	
	ELECTRIC WATER COOLER RECEPTACLE		SEE DETAIL		
	WEATHERPROOF RECEPTACLE		+24"	2.	
	ISOLATED GROUND RECEPTACLE		+16"	11.	
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE		+16"	9. 11.	
	DUPLEX RECEPTACLE EMERGENCY POWER (RED)		+16"	11.	
	FOURPLEX RECEPTACLE EMERGENCY POWER (RED)		+16"	11.	
	FLOOR OUTLET WITH 20A DEVICE		FLOOR		
	FLOOR OUTLET		FLOOR		
	MULTIPLE SERVICE FLOOR BOX		WALKER RTB		
	SPECIAL PURPOSE OUTLET		+18'-0" AS NOTED	10. WITH CAP. 11.	
	CORD DROP		+18'-0" AS NOTED	SEE DETAIL	
	PLUMBING		+16"	11.	
	DATA OUTLET		+16"	11.	
	TELEPHONE OUTLET		+16"	11.	
	TELEPHONE OUTLET		FLOOR		

RECORD DRAWING

DATE: 04-27-06

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

DESIGNED:	R.B.	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
BY:	BVA		SYMBOLS, SCHEDULES AND NOTES	138/41025B
TECH. REVIEW:				
DATE:	11/03			
			ARCHES NATIONAL PARK	PKG. NO. 160-99
			Moab, Utah	SHEET 99 OF 121